

Specifications for Spreader, Electric, 1.5 Cubic Yard (Item ID to be determined)

Hopper Construction:

- a) The hopper dimensions shall be 38"H X 48"W X 78"L.
- b) The hopper shall be constructed of 3/16" double wall LLDPE polyethylene.
- c) The hopper is mounted to a 304 stainless steel trough. Overall spreader length with chute attached shall be approximately 93".
- d) The hopper shall be designed to fit a half ton, three quarter ton and one ton truck with a minimum 5'5" bed.
- e) Hopper capacity is 1.5 cubic yards.
- f) Complete spreader weight: 550 lbs.

Electrical/Control System:

- a) Power for the spreader motor comes directly from the vehicle battery.
- b) The truck electrical system shall be protected by a 150 amp fuse located near the battery.
- c) The feed motor shall be a minimum ¾ HP, sealed, stainless steel high torque motor.
- d) The spinner motor shall be a 1/8 HP gear motor located above the spinner.
- e) The spreader controller shall have an LCD display with separate variable speed functions for feed and spinner.
- f) The controller shall have a separate variable speed function for the vibrators.
- g) Two 55 watt halogen work lights mounted on the rear of the spreader .

Feed Mechanism:

- a) Material shall be delivered by a planetary gear box connected to a 6" OD X 6" pitch full length auger.
- b) An inverted V shall be located above the auger. An adjustable deflector shall be located around the spinner.
- c) Spinner shall be 14.5" diameter , flexible poly
- d) Spinner height shall be fully adjustable by sliding mechanism on the chute.
- e) Maximum feed rate shall be 2.3 cubic feet per minute.
- f) Spreading width shall be 2 foot to 40 foot depending on material and moisture content.

Standard Features:

The spreader shall be equipped with the following equipment:

- a) Top Screen – hinged in the center
- b) Solid Poly Hopper Cover or 18 oz. VCP tarp with integral tie downs
- c) Top Screen with Bag Splitter

- d) Dual work lights
- e) Inverted V baffle
- f) Dual Vibrator kit
- g) Fully adjustable chute/spinner
- h) LED ChHMSL
- i) Hopper tie down kit.

Warranty:

Tailgate spreader has a two year parts and labor and flat rate labor warranty against defects in material and workman shop.

Installation

The spreader manufacturer is required to supply with each piece of equipment, a full set of installation instructions. The awarded vendor shall install spreader per the manufacturer's instructions as supplied with bid. Bid price shall include all cost for installation and all vehicle modifications. The electronic controls for the spreaders must be wired thru a "key on hot" ignition source provided by the truck manufacturer. An electronic connection added to the truck's electrical system by the vendor is not acceptable.

Parts & Service

Manufacturer's franchised authorized dealer must have parts and service facility within three (3) hours of F.O.B. delivery location. The supplier of the spreader is required to have a minimum of two (2) associates, who have completed certification training of the systems being provided, residing in the state of Tennessee. Each associate must have a minimum of four (4) years working experience in the spreader equipment industry. They must also have completed certification training of the systems being provided to the state of Tennessee. The two associates will provide statewide training, and they shall also provide troubleshooting and warranty repairs for the spreaders currently being bid. **Failure to provide the associates located in Tennessee and Manufacturer Component Certification will be considered failure to meet specifications. (Note: Manufacture certification as just an installer is not acceptable, troubleshooting, repairs, training capability and experience is required for all components that are in this bid specification).** Franchised dealer address information must be attached to ITB and is a requirement for award. This must be a full service franchised dealership which includes; field representatives, manufacturer's required specialized tools, fully equipped service trucks, factory trained technicians. A list of three (3) satisfied customers using electric spreaders of the size and type bid and which have been installed and serviced by the manufacturer's franchised authorized service dealer listed below is required. List of customers must include franchise brand bid and model number of equipment.

Manuals

Manuals (printed or electronic) shall be provided with each unit and shall consist of complete electrical and hydraulic schematic drawings, replaceable parts list including brand names and part numbers of the snow plows and spreaders.

Acceptable Brands: Boss, Western or Equal